

Basi

1646

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/906,365

DATE: 10/21/98
TIME: 15:21:05

Input Set: H906365.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

new format
ENTERED

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1 <110> APPLICANT: Bhat, Ramesh, A.
2 Henderson,, Ruth
3 Hsiao, Chulai
4 Karathanasis, Sotirios
5 <120> TITLE OF INVENTION: NOVEL HUMAN ESTROGEN RECEPTOR-BETA
6 <130> FILE REFERENCE: 0646/0d205
7 <140> CURRENT APPLICATION NUMBER: US/08/906,365
8 <141> CURRENT FILING DATE: 1997-08-05
9 <160> NUMBER OF SEQ ID NOS: 13
10 <170> SOFTWARE: FastSEQ for Windows Version 3.0
11 <210> SEQ ID NO 1
12 <211> LENGTH: 1686
13 <212> TYPE: DNA
14 <213> ORGANISM: Human
15 <400> SEQUENCE: 1
16 cagccattat acttgccac gaatcttga gaacattata atgaccttg tgctcttct 60
17 tgcaagggtg tttctcagct gctatctcaa gacatggata taaaaaactc accatctagc 120
18 cttaattctc cttcctccta caactgcagt caatccatct taccctgga gcacggctcc 180
19 atatacatat cttcctccta tgtagacagc caccatgaat atccagccat gacattctat 240
20 agccctgctg tgatgaatta cagcattccc agcaatgtca ctaactgga aggtgggct 300
21 ggtcggcaga ccacaagccc aaatgtgttg tggccaacac ctgggcacct ttctccttta 360
22 gtggtccatc gccagttatc acatctgtat gcggaacctc aaaagagtcc ctggtgtgaa 420
23 gcaagatcgc tagaacacac cttacctgta aacagagaga cactgaaaag gaaggtagt 480
24 gggaaccgtt gcgccagccc tgttactggt ccagggtcaa agagggatgc tcaactctgc 540
25 gctgtctgca gcgattacgc atcgggatat cactatggag tctggctgctg tgaaggatgt 600
26 aaggcctttt ttaaaagaag cattcaagga cataatgatt atatttgtcc agctacaaat 660
27 cagtgtacaa tcgataaaaa ccggcgcaag agctgccagg cctgccgact tcggaagtgt 720
28 tacgaagtgg gaatggtgaa gtgtggctcc cgagagagaga gatgtgggta ccgccttggt 780
29 cgagacaga gaagtgccga cgagcagctg cactgtgccg gcaaggccaa gagaagtggc 840
30 ggccacgcgc ccgagtgctg ggagctgctg ctggacgccc tgagccccga gcagctagt 900
31 ctaccctcc tggaggctga gccgccccat gtgctgatca gccgccccag tgcgcccctc 960
32 accgaggcct ccatgatgat gtccctgacc aagttggccg acaaggagtt ggtacacatg 1020
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38 atgtaccctc tggtcacagc gacccaggat gctgacagca gccggaagct ggctcacttg 1380
39 ctgaacgccg tgaccgatgc tttggtttgg gtgattgcca agagcggcat ctctcccag 1440
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41 aacaagggca tggaaacatct gctcaacatg aagtgcaaaa atgtgggtccc agtgatgac 1560
42 ctgctgctgg agatgctgaa tgcccacgtg cttcgcgggg gcaagtcctc catcacgggg 1620
43 tccgagtgca gcccggcaga ggacagtaaa agcaaagagg gctcccagaa cccacagtct 1680
44 cagtga 1686
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PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/906,365

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TIME: 15:21:05

Input Set: H906365.RAW

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45 <210> SEQ ID NO 2
46 <211> LENGTH: 530
47 <212> TYPE: PRT
48 <213> ORGANISM: Human
49 <400> SEQUENCE: 2
50 Met Asp Ile Lys Asn Ser Pro Ser Ser Leu Asn Ser Pro Ser Ser Tyr
51 1 5 10 15
52 Asn Cys Ser Gln Ser Ile Leu Pro Leu Glu His Gly Ser Ile Tyr Ile
53 20 25 30
54 Pro Ser Ser Tyr Val Asp Ser His His Glu Tyr Pro Ala Met Thr Phe
55 35 40 45
56 Tyr Ser Pro Ala Val Met Asn Tyr Ser Ile Pro Ser Asn Val Thr Asn
57 50 55 60
58 Leu Glu Gly Gly Pro Gly Arg Gln Thr Thr Ser Pro Asn Val Leu Trp
59 65 70 75 80
60 Pro Thr Pro Gly His Leu Ser Pro Leu Val Val His Arg Gln Leu Ser
61 85 90 95
62 His Leu Tyr Ala Glu Pro Gln Lys Ser Pro Trp Cys Glu Ala Arg Ser
63 100 105 110
64 Leu Glu His Thr Leu Pro Val Asn Arg Glu Thr Leu Lys Arg Lys Val
65 115 120 125
66 Ser Gly Asn Arg Cys Ala Ser Pro Val Thr Gly Pro Gly Ser Lys Arg
67 130 135 140
68 Asp Ala His Phe Cys Ala Val Cys Ser Asp Tyr Ala Ser Gly Tyr His
69 145 150 155 160
70 Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser
71 165 170 175
72 Ile Gln Gly His Asn Asp Tyr Ile Cys Pro Ala Thr Asn Gln Cys Thr
73 180 185 190
74 Ile Asp Lys Asn Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys
75 195 200 205
76 Cys Tyr Glu Val Gly Met Val Lys Cys Gly Ser Arg Arg Glu Arg Cys
77 210 215 220
78 Gly Tyr Arg Leu Val Arg Arg Gln Arg Ser Ala Asp Glu Gln Leu His
79 225 230 235 240
80 Cys Ala Gly Lys Ala Lys Arg Ser Gly Gly His Ala Pro Arg Val Arg
81 245 250 255
82 Glu Leu Leu Leu Asp Ala Leu Ser Pro Glu Gln Leu Val Leu Thr Leu
83 260 265 270
84 Leu Glu Ala Glu Pro Pro His Val Leu Ile Ser Arg Pro Ser Ala Pro
85 275 280 285
86 Phe Thr Glu Ala Ser Met Met Met Ser Leu Thr Lys Leu Ala Asp Lys
87 290 295 300
88 Glu Leu Val His Met Ile Ser Trp Ala Lys Lys Ile Pro Gly Phe Val
89 305 310 315 320
90 Glu Leu Ser Leu Phe Asp Gln Val Arg Leu Leu Glu Ser Cys Trp Met
91 325 330 335
92 Glu Val Leu Met Met Gly Leu Met Trp Arg Ser Ile Asp His Pro Gly
93 340 345 350
94 Lys Leu Ile Phe Ala Pro Asp Leu Val Leu Asp Arg Asp Glu Gly Lys

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PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/906,365

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95          355          360          365
96      Cys Val Glu Gly Ile Leu Glu Ile Phe Asp Met Leu Leu Ala Thr Thr
97          370          375          380
98      Ser Arg Phe Arg Glu Leu Lys Leu Gln His Lys Glu Tyr Leu Cys Val
99      385          390          395          400
100     Lys Ala Met Ile Leu Leu Asn Ser Ser Met Tyr Pro Leu Val Thr Ala
101          405          410          415
102     Thr Gln Asp Ala Asp Ser Ser Arg Lys Leu Ala His Leu Leu Asn Ala
103          420          425          430
104     Val Thr Asp Ala Leu Val Trp Val Ile Ala Lys Ser Gly Ile Ser Ser
105          435          440          445
106     Gln Gln Gln Ser Met Arg Leu Ala Asn Leu Leu Met Leu Leu Ser His
107          450          455          460
108     Val Arg His Ala Ser Asn Lys Gly Met Glu His Leu Leu Asn Met Lys
109     465          470          475          480
110     Cys Lys Asn Val Val Pro Val Tyr Asp Leu Leu Leu Glu Met Leu Asn
111          485          490          495
112     Ala His Val Leu Arg Gly Cys Lys Ser Ser Ile Thr Gly Ser Glu Cys
113          500          505          510
114     Ser Pro Ala Glu Asp Ser Lys Ser Lys Glu Gly Ser Gln Asn Pro Gln
115          515          520          525
116     Ser Gln
117          530
118     <210> SEQ ID NO 3
119     <211> LENGTH: 12
120     <212> TYPE: PRT
121     <213> ORGANISM: Rat
122     <400> SEQUENCE: 3
123     Met Thr Phe Tyr Ser Pro Ala Val Met Asn Tyr Ser
124     1          5          10
125     <210> SEQ ID NO 4
126     <211> LENGTH: 10
127     <212> TYPE: PRT
128     <213> ORGANISM: Human
129     <400> SEQUENCE: 4
130     Gly Tyr Ser Pro Ala Val Met Asn Tyr Ser
131     1          5          10
132     <210> SEQ ID NO 5
133     <211> LENGTH: 45
134     <212> TYPE: DNA
135     <213> ORGANISM: Artificial Sequence
136     <220> FEATURE:
137     <223> OTHER INFORMATION: PCR Primer
138     <400> SEQUENCE: 5
139     ggaagcttgt cgaccatcat gaccggctat agccctgctg tgatg
140     <210> SEQ ID NO 6
141     <211> LENGTH: 40
142     <212> TYPE: DNA
143     <213> ORGANISM: Artificial Sequence
144     <220> FEATURE:

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PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/906,365

DATE: 10/21/98
TIME: 15:21:05

Input Set: H906365.RAW

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146 <400> SEQUENCE: 6
147      ggatctagag tcgacgcgtc actgagactg agggttctgg          40
148 <210> SEQ ID NO 7
149 <211> LENGTH: 4
150 <212> TYPE: PRT
151 <213> ORGANISM: Human
152 <400> SEQUENCE: 7
153      Met Thr Gly Tyr
154      1
155 <210> SEQ ID NO 8
156 <211> LENGTH: 17
157 <212> TYPE: DNA
158 <213> ORGANISM: Human
159 <400> SEQUENCE: 8
160      ccatcatgac cggctat          17
161 <210> SEQ ID NO 9
162 <211> LENGTH: 23
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: PCR Primer
167 <400> SEQUENCE: 9
168      ctggtaagtt tagtcttttt gtc          23
169 <210> SEQ ID NO 10
170 <211> LENGTH: 25
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: PCR Primer
175 <400> SEQUENCE: 10
176      gcttcacacc aaggactctt ttgag          25
177 <210> SEQ ID NO 11
178 <211> LENGTH: 26
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: PCR Primer
183 <400> SEQUENCE: 11
184      gttggccaca acacatttgg gcttgt          26
185 <210> SEQ ID NO 12
186 <211> LENGTH: 27
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: PCR Primer
191 <400> SEQUENCE: 12
192      ccatcctaatac gactcact atagggc          27
193 <210> SEQ ID NO 13
194 <211> LENGTH: 23

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PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/906,365DATE: 10/21/98
TIME: 15:21:05

Input Set: H906365.RAW

195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: PCR Primer
199 <400> SEQUENCE: 13
200 actcactata gggctcgagc ggc

23

PAGE: 6

VERIFICATION SUMMARY
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DATE: 10/21/98
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Line ? Error/Warning

Original Text
